Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/25/2020 09:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124310	-1	4.87	124383	4.85
Blue	F	SSC	125000	124496	-1	1.75	125247	1.74
Blue	E	FITC	15892	15482	-3	2.92	337	21.45
Blue	D	PE	29999	29375	-3	2.05	642	15.92
Blue	B	PerCP-Cy5-5	43732	43318	-1	3.99	1162	21.99
Blue	A	PE-Cy7	30845	30619	-1	6.76	579	45.25
Red	C	APC	46112	44675	-4	2.46	1580	11.96
Red	A	APC-Cy7	30458	29302	-4	2.35	773	12.11
Violet	B	V450	7918	7636	-4	4.42	430	13.61
Violet	A	V500	32171	31543	-2	4.28	735	10.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16765	28.96	655	34	N/A	N/A	Pass
Blue	F	SSC	56696	1.28	585	26	N/A	N/A	Pass
Blue	E	FITC	61	68.96	555	12	0.0176	176	Pass
Blue	D	PE	135	52.05	561	13	0.1288	229	Pass
Blue	B	PerCP-Cy5-5	212	54.09	670	14	0.0077	59	Pass
Blue	A	PE-Cy7	104	115.76	716	18	0.0090	22	Pass
Red	C	APC	378	25.64	588	4	0.0259	244	Pass
Red	A	APC-Cy7	171	29.86	560	4	0.0056	1363	Pass
Violet	B	V450	64	62.55	463	5	0.0467	2018	Pass
Violet	A	V500	111	35.04	479	5	0.0221	927	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.56	-31.87	1.01
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.44
Red	15.17	13.60 - 20.40	N/A	N/A	28.96	29.76	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9942

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments